Painter and Decorator

2000

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Painter and Decorator

2000

Interprovincial Partnerships and Occupational Information Division

Division des Partenariats interprovinciaux et Information sur les carrières

Human Resources Partnerships Directorate

Direction des partenariats en ressources humaines

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The Canadian Council of Directors of Apprenticeship (CCDA) recognizes this occupational analysis as the national standard for the occupation of painter and decorator.

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OTHER RELATED OCCUPATIONAL TITLES

This analysis covers tasks performed by a painter and decorator whose occupational title has been identified by some provinces and territories of Canada under the following names:

- Painter
- Painter and Decorator - Commercial and Residential

LIST OF PUBLISHED OCCUPATIONAL ANALYSES *

TITLE	NOC** Code
Appliance Service Technician (1997)	7332
Aquaculture Technician (1977)	2221
Arts Administrator (1989)	0114
Automotive Painter (1995)	7322
Automotive Service Technician (1998)	7321
Automotive Technician - Automatic Transmission (1990)	7321
Automotive Technician - Electrical/Electronics (1992)	7321
Automotive Technician - Engine Repair and Fuel Systems (1989)	7321
Automotive Technician - Front-End (1989)	7321
Automotive Technician - Manual Transmission, Driveline and Brakes (1990)	7321
Aviation Machinist (1994)	7231
Baker (1997)	6252
Blaster (Surface) (1987)	7372
Boilermaker (1994)	7262
Bricklayer (2000)	7281
Cabinetmaker (2000)	7272
Carpenter (1998)	7271
Cement Finisher (1995)	7282
Construction Electrician (1994)	7241
Cook (1997)	6242
Electrical Rewind Mechanic (1999)	7333
Electronics Technician - Consumer Products (1997)	2242
Electronics Technician Vol. I (1986) (Video Equipment)	2242
Electronics Technician Vol. II (1986) (Audio Equipment)	2242

* **Red Seal analyses are indicated in bold**

** **National Occupational Classification**

Electronics Technician Vol. III (1986) (Computer Equipment)	2242
Electronics Technician Vol. IV (1986) (Office Equipment)	2242
Electronics Technician Vol. VI (1986) (Communication Equipment)	2242
Electronics Technician Vol. VII (1986) (Signaling Equipment)	2242
Electronics Technician Vol. VIII (1986) (Navigation Equipment)	2242
Electronics Technician Vol. IX (1986) (Video Game Equipment)	2242
Electronics Technician Vol. X (1987) (CADD Equipment)	2242
Electronics Technician Vol. XI (1987) (CAM Equipment)	2242
Electronics Technician Vol. XII (1987) (Robotics Equipment)	2242
Electronics Technician Vol. XIII (1987) (Biomedical and Laboratory Equipment)	2242
Electronics Technician Vol. XIV (1987) (Industrial Process-Control Equipment)	2243
Farm Equipment Mechanic (2000)	7312
Floorcovering Installer (1997)	7295
Glazier (1994)	7292
Hairstylist (1997)	6271
Heating (Gas and Oil) Servicer - Commercial and Industrial (1978)	7331
Heavy Duty Equipment Mechanic (1998)	7312
Heavy Equipment Operator (1983)	7421
Industrial Electrician (1997)	7242
Industrial Instrument Mechanic (2000)	2243
Industrial Mechanic (Millwright) (1999)	7311
Insulator (Heat and Frost) (2000)	7293
Ironworker (Generalist) (1993)	7264
Lather (Interior Systems Mechanic) (1994)	7284

Logistics (1992)	0713
Machinist (1998)	7231
Major Electrical Appliance Repairer (1984)	7332
Mobile Crane Operator (1997)	7371
Motorcycle Mechanic (1995)	7334
Motor Vehicle Body Repairer (Metal and Paint) (1997)	7322
New Home Builder and Residential Renovation Contractor (1992)	0712
Oil Burner Mechanic (1997)	7331
Painter and Decorator (2000)	7294
Partsperson (1995)	1472
Plumber (1996)	7251
Power Engineer (1997)	7351
Powerline Technician (1996)	7244
Recreation Vehicle Mechanic (2000)	7383
Refrigeration and Air Conditioning Mechanic (1997)	7313
Roofer (1997)	7291
Sheet Metal Worker (1997)	7261
Sprinkler System Installer (1995)	7252
Steamfitter-Pipefitter (1996)	7252
Steel Fabricator (Fitter) (1994)	7263
Tool and Die Maker (1997)	7232
Truck-Trailer Repairer (1994)	7321
Truck and Transport Mechanic (2000)	7321
Welder (1996)	7265

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FOREWORD

The first National Conference on Apprenticeship in Trades and Industries, held in Ottawa in 1952, recommended that the federal government be requested to co-operate with provincial apprenticeship committees and officials in preparing analyses of a number of skilled occupations. To this end, Human Resources Development Canada sponsors a program, under the guidance of the Canadian Council of Directors of Apprenticeship (CCDA), to develop a series of analyses.

The Occupational Analysis Program has the following objectives:

- to identify and group the tasks performed by skilled workers in particular occupations;
- to identify those tasks that are performed by skilled workers in every province and territory;
- to develop instruments for use in the preparation of interprovincial standard "Red Seal" examinations and curricula for training leading to the certification of skilled workers;
- to facilitate the mobility, in Canada, of trainees and skilled workers; and
- to supply employers and employees, and their associations, industries, training institutions and governments with analyses of the tasks performed in particular occupations.

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GUIDE TO ANALYSIS

DEVELOPMENT OF ANALYSIS

A draft analysis is developed by a knowledgeable consultant who, with the assistance of a committee of industry experts in the field, identifies all the tasks performed in the occupation.

The draft is then assigned to occupational analysts at Human Resources Development Canada for translation and then returned to the consultant for review to ensure conformity with the nationally approved format.

The consultant will then forward a copy of this analysis to provincial/territorial authorities for validation by specialists in the field. Their recommendations are assessed and incorporated into the final draft which also includes the identification of the common core tasks performed in the occupation.

The occupational analysis is published in both official languages.

STRUCTURE OF ANALYSIS

To facilitate the understanding of the nature of the occupation, the work performed is divided into the following divisions:

A. **BLOCK** - is the largest division within the analysis and reflects a distinct operation relevant to the occupation.

B. **TASK** - is the distinct activity that, combined with others, makes up the logical and necessary steps the worker is required to perform to complete a specific assignment within a "BLOCK".

C. **SUB-TASK** - is the smallest division into which it is practical to subdivide any work activity and, combined with others, fully describes all duties constituting a "TASK".

Supporting Knowledge and Abilities

The element of skill and knowledge that an individual must acquire to adequately perform the task is identified under this heading.

Trends

Any shifts or changes in technology which affects the block are identified under this heading.

Related Components

All components of a specified task being undertaken by the painter and decorator are identified under this heading.

Tools & Equipment

All tools and equipment necessary for the painter and decorator to complete a task are identified under this heading.

VALIDATION METHOD

At the request of the Canadian Council of Directors of Apprenticeship (CCDA), the Standardization SubCommittee developed a method for the validation of the national Red Seal occupational analyses.

A draft of the analysis is sent to all provinces/territories for validation. Each jurisdiction rates the sub-tasks and applies percentage ratings to blocks and tasks. This method for the validation of the national occupational analyses identifies common core tasks across Canada for a specific occupation. This feature facilitates the weighting of the Interprovincial Red Seal examinations.

DEFINITIONS

YES:	the sub-task is performed by workers in the occupation in a specific jurisdiction.
NO:	the sub-task is not performed by workers in the occupation in a specific jurisdiction.
BLOCK %:	the average number of questions (items), derived from the collective decision made by workers within the occupation from all areas of Canada, which will be placed on an interprovincial examination to assess each block of the analysis.
TASK %:	the average number of questions (items), derived from the collective decision made by workers within the occupation from all areas of Canada, which will be placed on an interprovincial examination to assess each task of the analysis.
NV:	Not Validated by a province/territory.
ND:	Not Designated in a province/territory.

PROVINCIAL/TERRITORIAL ABBREVIATIONS

NF:	Newfoundland and Labrador
NS:	Nova Scotia
PE:	Prince Edward Island
NB:	New Brunswick
QC:	Quebec
ON:	Ontario
MB:	Manitoba
SK:	Saskatchewan
AB:	Alberta
BC:	British Columbia
NT:	Northwest Territories
YK:	Yukon

COMMON CORE

The criteria for determining common core are dependant on the performance of sub-tasks. If 70 percent of the responding jurisdictions (excluding NVs and NDs) perform the sub-task, it shall be considered common core.

Interprovincial Red Seal examinations are based on the common core identified through this validation process. This process identifies what will be assessed through the interprovincial examination.

BLOCKS AND TASKS WEIGHTING (APPENDIX "B")

This appendix represents the blocks and task percentages as submitted by each jurisdiction.

Each jurisdiction, with the use of a provincial/territorial occupational advisory committee, validates the content, places percentages on blocks and tasks, and indicates whether or not the sub-tasks are performed by the skilled workers within the occupation. The results of this exercise are submitted to the consultant who then analyzes the data and develops this appendix which provides the individual jurisdictional validation results as well as the national averages of all responses.

PIE CHART (APPENDIX "C")

The graph depicts the national percentages assigned to blocks in the analysis.

SCOPE OF THE PAINTER AND DECORATOR OCCUPATION

The title "Painter and Decorator" defines a person who, because of his or her knowledge, training and abilities, is capable of applying decorative and/or protective finishes to a wide variety of materials in residential, commercial, institutional and industrial settings.

The painter and decorator has skills and experience in surface preparation and the application of a wide variety of decorative and protective finishes. The painter and decorator must also be able to calculate areas and relate such calculations to required material. The painter and decorator must have an eye for detail, an excellent sense of colour, the ability to plan work, and knowledge of many types of finishes, their properties and their application.

Most painters have a range of experience in residential and commercial work, and many have experience in the increasingly specialized area of industrial work as well. Many tradespeople in this profession also have broad experience with, and knowledge of, different types of finishes and processes which become more or less popular as architectural and other trends come and go.

Painters and decorators are often called upon to perform their jobs in potentially dangerous or difficult conditions. They work with hazardous materials, as well as some physical discomfort when preparing surfaces or applying coatings in awkward positions. They work with a variety of ladders, staging and scaffolding. Painters and decorators must have good physical endurance in order to accomplish tasks that require continuous exertion, such as sanding, scraping, and repetitive activities such as rolling and brushing. Painters and decorators must also be aware of customer relations, especially when redecorating existing structures.

Painters and decorators perform their duties in virtually every facet of construction and industry. This trade is important in the construction and maintenance of residential, commercial, institutional and industrial sites, in both urban and rural settings.

In some cases, a painter and decorator may work for years on a single site, such as a university campus, and during that time may be performing similar tasks constantly. At the same time, tradespeople who work for freelance contractors may rarely work on the same site more than once, and may routinely perform a tremendous variety of tasks using a wide range of materials and equipment.

OCCUPATIONAL OBSERVATIONS

The construction industry, as with all sectors of the economy, is experiencing new directions and rapid changes in line with the technological advancement that is prevalent today.

Basic computer skills are gradually becoming a necessary occupational skill. With computerized specifications, computerized colour matching and other computer applications, development of computer skills is becoming important in some areas of the occupation.

During the development of this national occupational analysis, it was recognized that numerous trends are emerging from within the painting and decorating occupation. New materials and application methods are becoming an everyday occurrence. The continuous development of new product is a direct result of manufacturers' efforts to produce more environmentally and user friendly products.

Environmental awareness, cost effectiveness and waste control are issues at the forefront of establishing new methods in the industry. Recycling of solvents, paints and other products is a clear example of these new directions.

It is clear that an integral part of the occupation combines not only the traditional methods of applying materials, but also must incorporate the new skills and methods emerging due to the demand for more sophisticated finishes.

There is a greater awareness of safety issues, and most painters and decorators now hold a safety certificate; in some jurisdictions it is mandatory.

Training and retraining is becoming an issue within the occupation. Pre-apprentice training is rare in Canadian community colleges, and many new entrants to the field do not register as apprentices or obtain their red seal. Journeypersons report that upgrading is equally difficult to access.

SAFETY

Safe working procedures and conditions, accident prevention and the preservation of health are of primary importance to industry in Canada. These responsibilities are shared and require the joint efforts of government, employers and employees. It is imperative that all parties become aware of circumstances which may lead to injury or harm. Safe learning experiences and environments can be created by controlling the variables and behaviours that may contribute to an accident or injury.

It is generally recognized that a safety-conscious attitude and work practices contribute to a healthy, safe and accident-free working environment.

It is imperative to apply and be familiar with the Occupational Health and Safety Act and Regulations, and the health and safety code for the construction industry. As well, it's essential to determine workplace hazards and take measures to protect oneself, co-workers, the public and the environment.

As safety education is an integral part of training in all jurisdictions, personal safety practices are not recorded in this document. However, the technical safety aspects relating to each task and sub-task are included throughout this analysis.

ANALYSIS

BLOCK A

OCCUPATIONAL SKILLS

Trends: *New methods, tools and materials are being introduced into the occupation on an ongoing basis. The use of computers has introduced paperless drawings, specifications and contract documents to the occupation.*

Task 1 **Interprets occupation documentation.**

Related Components: Blueprints, specifications.

Tools and Equipment: Architectural scales, measuring tape, calculator, compass divider, computer.

Sub-task

1.01 **Interprets blueprints and specifications.**

Supporting Knowledge & Abilities

NF	NS	PE	NB	QC	ON	MB	SK	AB	BC	NT	YK
yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes

1.01.01 knowledge of contract documents, drawings, agreements, general conditions, specifications

1.01.02 ability to interpret architectural and structural drawings

Sub-task

1.02 **Interprets material documentation.**

Supporting Knowledge & Abilities

NF	NS	PE	NB	QC	ON	MB	SK	AB	BC	NT	YK
yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes

1.02.01 knowledge of hazardous materials (WHMIS)

1.02.02 knowledge of paint terms

Supporting Knowledge & Abilities

1.02.03	knowledge of handling and storing hazardous materials safely
1.02.04	ability to determine type of product
1.02.05	ability to handle product
1.02.06	ability to store product
1.02.07	ability to identify hazardous materials
1.02.08	ability to interpret Material Safety Data Sheets (MSDS)

Sub-task

1.03 Interprets codes and regulations.

NF	NS	PE	NB	QC	ON	MB	SK	AB	BC	NT	YK
yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes

Supporting Knowledge & Abilities

1.03.01	knowledge of National Building Code
1.03.02	knowledge of Canadian Standards Association (CSA) and Occupational Health & Safety Acts
1.03.03	knowledge of national, provincial and municipal environmental regulations
1.03.04	ability to interpret Workplace Hazardous Material Information System (WHMIS)
1.03.05	ability to comply with national, provincial and municipal environmental regulations
1.03.06	ability to comply with national, provincial and municipal codes and regulations (Employment, Health, Security, Regulations and Standards)

Task 2 **Uses and maintains equipment and tools.**

Related Components: None.

Tools and Equipment: Refer to Appendix "A": Tools and Equipment.

Sub-task

2.01 Uses hand tools.

Supporting Knowledge & Abilities

NF	NS	PE	NB	QC	ON	MB	SK	AB	BC	NT	YK
yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes

2.01.01 knowledge of tools and equipment required for a specific job (tools, rollers, etc.)

2.01.02 ability to identify appropriate tools for job (pure bristle, nylon)

2.01.03 ability to use measuring tape and layout tools (chalk line, straight edge)

2.01.04 ability to use application tools (brushes, rollers, scissors, knives, etc.)

2.01.05 ability to use surface preparation tools (scrapers, wire brushes, sandpaper, etc.)

Sub-task

2.02 Uses power tools.

Supporting Knowledge & Abilities

NF	NS	PE	NB	QC	ON	MB	SK	AB	BC	NT	YK
yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes

2.02.01 knowledge of proper tools for specific job

2.02.02 knowledge of safe use of tools

2.02.03 knowledge of operating procedures

2.02.04 ability to select appropriate tools for job

2.02.05 ability to use electric tools (grinders, electrical sanders, drills, mixers, etc.)

Supporting Knowledge & Abilities

2.02.06 ability to use air tools (abrasive blasters, compressors, spray machines, etc.)

Sub-task

2.03 Uses access equipment.

Supporting Knowledge & Abilities

NF	NS	PE	NB	QC	ON	MB	SK	AB	BC	NT	YK
yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes

2.03.01 knowledge of access equipment required for a specific job

2.03.02 ability to use ladders

2.03.03 ability to erect, dismantle and maintain stationary scaffolds

2.03.04 ability to erect, dismantle and maintain rolling scaffolds

2.03.05 ability to use mechanical scaffolds and self-propelled mobile platforms

2.03.06 ability to erect, dismantle, maintain and use swing stage and boatswain's chair

Sub-task

2.04 Maintains tools and equipment.

Supporting Knowledge & Abilities

NF	NS	PE	NB	QC	ON	MB	SK	AB	BC	NT	YK
yes	yes	no	yes	yes	yes	yes	yes	yes	yes	yes	yes

2.04.01 knowledge of manufacturers' recommended maintenance procedures

2.04.02 ability to interpret manufacturers' manuals

2.04.03 ability to maintain hand tools (brushes, rollers, etc.)

Supporting Knowledge & Abilities

2.04.04	ability to maintain power tools (drills, grinders, etc.)
2.04.05	ability to maintain spray equipment (air guns, airless sprayers, etc.)
2.04.06	ability to maintain safety equipment (ropes, vests, etc.)
2.04.07	ability to maintain access equipment (swing stages, ladders, boatswain's chairs, etc.)

Task 3 **Assesses projects.**

Related Components: None.

Tools and Equipment: Common tools, precision tool kit, plastic covering sheets, tarpaulins, caution safety tape, portable drill mixer, liquid measuring device.

Sub-task

3.01 **Protects surrounding surfaces.**

NF	NS	PE	NB	QC	ON	MB	SK	AB	BC	NT	YK
yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes

Supporting Knowledge & Abilities

3.01.01	knowledge of material used to protect surface (drop cloths, masking tape, etc.)
3.01.02	knowledge of company safety manual
3.01.03	ability to identify potential hazards
3.01.04	ability to communicate hazardous situations to others
3.01.05	ability to assess the work environment

Supporting Knowledge & Abilities

3.01.06 ability to apply knowledge of hazardous materials to protect personnel, property and the environment

Sub-task

3.02 Organizes work.

Supporting Knowledge & Abilities

NF	NS	PE	NB	QC	ON	MB	SK	AB	BC	NT	YK
yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes

3.02.01 knowledge of application procedure and equipment

3.02.02 ability to communicate ideas and methods

3.02.03 ability to communicate orally and in writing

3.02.04 ability to meet schedules

3.02.05 ability to demonstrate professional behaviour

3.02.06 ability to communicate with other trades

3.02.07 ability to order materials

3.02.08 ability to follow verbal and written directions

Sub-task

3.03 Mixes and matches colours.

Supporting Knowledge & Abilities

NF	NS	PE	NB	QC	ON	MB	SK	AB	BC	NT	YK
yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes

3.03.01 knowledge of colour charts

3.03.02 knowledge of colour theory

3.03.03 knowledge of colorants, tints and dyes

Supporting Knowledge & Abilities

3.03.04	knowledge of materials (paints, solvents, pigments)
3.03.05	knowledge of site conditions
3.03.06	knowledge of paint specifications
3.03.07	knowledge of manufacturers' specifications
3.03.08	ability to calculate amounts and ratios
3.03.09	ability to mix colours
3.03.10	ability to match colours
3.03.11	ability to apply colour theory

BLOCK B

SURFACE PREPARATION

Trends: *Greater awareness of environmental and health hazards. Greater use of mechanized equipment.*

Task 4 **Assesses quality of surface.**

Related Components: None.

Tools and Equipment: Common tools, safety equipment, sling psychrometer, moisture meter, litmus paper, micrometer (dry mil gauge), industry standards manuals, access equipment.

Sub-task

4.01 Assesses quality of substrate. **Supporting Knowledge & Abilities**

NF	NS	PE	NB	QC	ON	MB	SK	AB	BC	NT	YK
yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes

4.01.01	knowledge of types of substrate (masonry, concrete, drywall, plaster, wood, metal, etc.)
4.01.02	knowledge of manufacturers' substrate specifications
4.01.03	knowledge of work site conditions
4.01.04	knowledge of materials and work processes
4.01.05	ability to select and use tools and materials appropriate to specific substrate
4.01.06	ability to use humidity measuring equipment
4.01.07	ability to inspect new drywall surfaces for proper installation

Sub-task

4.02 Assesses surface degradation. **Supporting Knowledge & Abilities**

NF	NS	PE	NB	QC	ON	MB	SK	AB	BC	NT	YK
yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes

4.02.01	knowledge of problems to surfaces caused by efflorescence, rusting, spalling, excessive moisture, improper taping, filling and/or sanding, and insufficient cure of plaster/masonry
4.02.02	knowledge of remedial measures
4.02.03	knowledge of preparing previously coated surfaces
4.02.04	ability to recognize mill scale on steel

Supporting Knowledge & Abilities

4.02.05	ability to recognize rust patterns on steel
4.02.06	ability to recognize moisture-related problems
4.02.07	ability to recognize efflorescence of concrete
4.02.08	ability to recognize improperly taped, filled or sanded drywall surfaces
4.02.09	ability to recognize improperly cured plaster surfaces (hot spots)
4.02.10	ability to recognize blistering, mud cracking, alligatoring, orange peeling, flaking, bleeding, and other paint film defects

Sub-task

4.03 Determines causes of surface failure.

Supporting Knowledge & Abilities

NF	NS	PE	NB	QC	ON	MB	SK	AB	BC	NT	YK
yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes

4.03.01	knowledge of industry standards
4.03.02	knowledge of surface measuring instruments (moisture meter, mil gauge, micrometer, etc.)
4.03.03	ability to use surface measuring instruments (moisture meter, mil gauge, micrometer, etc.)
4.03.04	ability to recognize coating breakdown

Task 5 Finishes drywalls.

Related Components: Drywall compound, drywall tape.

Tools and Equipment: Common tools, curved trowel, tape holder/dispensers, pole sanders, hand sanders, electric drill, mixer.

Sub-task

5.01 Selects materials.

Supporting Knowledge & Abilities

NF	NS	PE	NB	QC	ON	MB	SK	AB	BC	NT	YK
yes	yes	yes	yes	yes	yes	yes	yes	no	no	no	yes

5.01.01	knowledge of appropriate filling compound
5.01.02	knowledge of manufacturers' specifications
5.01.03	knowledge of types of drywall tape
5.01.04	ability to select the correct filler/substrate combination
5.01.05	ability to mix the selected compound to suit site conditions
5.01.06	ability to select tape for application

Sub-task

5.02 Applies filler.

Supporting Knowledge & Abilities

NF	NS	PE	NB	QC	ON	MB	SK	AB	BC	NT	YK
yes	yes	yes	yes	yes	yes	yes	yes	no	no	no	yes

5.02.01	knowledge of drying conditions
5.02.02	ability to mix the selected compound to suit site conditions
5.02.03	ability to embed tape
5.02.04	ability to apply compounds for rough coat
5.02.05	ability to apply compounds for skim coat

Sub-task

5.03 Performs finish sanding. **Supporting Knowledge & Abilities**

NF	NS	PE	NB	QC	ON	MB	SK	AB	BC	NT	YK
yes	yes	yes	yes	yes	yes	yes	yes	no	no	no	yes

5.03.01 knowledge of different abrasives

5.03.02 knowledge of different sanding techniques

5.03.03 ability to sand joints

5.03.04 ability to identify deficiencies

5.03.05 ability to repair deficiencies

Task 6 Treats surfaces.

Related Components: Detergents, solvents, abrasives, mechanical devices, fillers, strippers, access equipment.

Tools and Equipment: Common tools, safety equipment, low pressure spray equipment, non-explosive containers, grinders, electric cords, electric drills, electric sanders, fans, hydroblast equipment, steam stripper, power blasting equipment, spray painting equipment, vacuum cleaner, access equipment.

Sub-task

6.01 Applies chemical treatments. **Supporting Knowledge & Abilities**

NF	NS	PE	NB	QC	ON	MB	SK	AB	BC	NT	YK
yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes

6.01.01 knowledge of protective equipment

6.01.02 knowledge of manufacturers' specifications

6.01.03 knowledge of work site

6.01.04 ability to select surface treatment equipment

Sub-task

6.02 Applies mechanical treatments.

Supporting Knowledge & Abilities

NF	NS	PE	NB	QC	ON	MB	SK	AB	BC	NT	YK
yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes

6.02.01	knowledge of mechanical treatment application equipment
6.02.02	knowledge of protective equipment
6.02.03	knowledge of manufacturers' specifications
6.02.04	knowledge of work site
6.02.05	knowledge of operational procedures
6.02.06	knowledge of abrasive cleaning equipment
6.02.07	ability to apply industry standards to achieve the required surface cleaning
6.02.08	ability to select proper grade of abrasives

Sub-task

6.03 Repairs surfaces.

Supporting Knowledge & Abilities

NF	NS	PE	NB	QC	ON	MB	SK	AB	BC	NT	YK
yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes

6.03.01	knowledge of appropriate filling compound for wood, drywall, plaster, concrete/masonry, metal, etc.
6.03.02	knowledge of manufacturers' specifications
6.03.03	ability to select the correct filler/substrate combination
6.03.04	ability to mix the selected compound to suit site conditions
6.03.05	ability to apply compounds

Sub-task

6.04 Removes existing wall coverings.

Supporting Knowledge & Abilities

NF	NS	PE	NB	QC	ON	MB	SK	AB	BC	NT	YK
yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes

6.04.01 knowledge of appropriateness of partial or complete removal

6.04.02 knowledge of removal techniques

6.04.03 knowledge of manufacturers' specifications regarding strippers

6.04.04 ability to operate stripping equipment (steamers, for example)

6.04.05 ability to select chemical strippers

6.04.06 ability to select hand tools

6.04.07 ability to dry strip without damaging substrate

6.04.08 ability to clean substrate after wall covering has been removed

Sub-task

6.05 Treats surfaces for wall coverings.

Supporting Knowledge & Abilities

NF	NS	PE	NB	QC	ON	MB	SK	AB	BC	NT	YK
yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes

6.05.01 knowledge of materials and processes (sizing, for example)

6.05.02 knowledge of substrate

6.05.03 knowledge of type of covering to be applied

6.05.04 knowledge of residual adhesive

Supporting Knowledge & Abilities

6.05.05	ability to recognize the degree of levelling/smoothing required for surfaces
6.05.06	ability to remove residual adhesive from surfaces
6.05.07	ability to apply sizing

BLOCK C

PAINTS AND COATINGS

Trends: *Moving away from volatile organic compounds to water-borne coatings.*

Task 7 **Selects finishing materials and methods.**

Related Components: Paint (latex, enamels, acrylics, alkyds, oils, lacquers, urethanes, varnishes, acoustical, epoxies, spirits, elastomerics, water-borne coatings, fire retardants), solvents, sealers, primers, undercoats and barrier coats.

Tools and Equipment: Common tools, safety equipment, access equipment.

Sub-task

7.01 **Assesses product compatibility with existing coating.**

Supporting Knowledge & Abilities

NF	NS	PE	NB	QC	ON	MB	SK	AB	BC	NT	YK
yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes

Supporting Knowledge & Abilities

7.01.01	knowledge of different types of coatings
7.01.02	knowledge of different testing procedures
7.01.03	ability to recognize different coatings
7.01.04	ability to apply testing procedures
7.01.05	ability to analyze test results

Sub-task

7.02 Selects paint and coating.

NF	NS	PE	NB	QC	ON	MB	SK	AB	BC	NT	YK
yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes

Supporting Knowledge & Abilities

7.02.01	knowledge of paint compatibility with surfaces to be finished
7.02.02	knowledge of paint reaction within the work environment (temperature, humidity, air movement, etc.)
7.02.03	knowledge of site conditions
7.02.04	knowledge of manufacturers' specifications
7.02.05	ability to interpret site and manufacturers' specifications to select coatings

Sub-task

7.03 Selects solvents.

NF	NS	PE	NB	QC	ON	MB	SK	AB	BC	NT	YK
yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes

Supporting Knowledge & Abilities

7.03.01	knowledge of solvent thinning characteristics
7.03.02	knowledge of solvent cleaning characteristics

Supporting Knowledge & Abilities

7.03.03	knowledge of site conditions
7.03.04	knowledge of manufacturers' specifications
7.03.05	ability to select correct solvent for coating and application
7.03.06	ability to select correct solvent for cleaning
7.03.07	ability to adjust mixing concentration to reflect environmental conditions (temperature, humidity, air movement, etc.)

Sub-task

7.04 Determines application methods.

Supporting Knowledge & Abilities

NF	NS	PE	NB	QC	ON	MB	SK	AB	BC	NT	YK
yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes

7.04.01	knowledge of manufacturers' specifications
7.04.02	ability to interpret and apply manufacturers' specifications
7.04.03	ability to select best application methods in relation to specific and environmental conditions (temperature, humidity, air movement, etc.)

Task 8 Applies paints.

Related Components: Paint (latex, acrylics, alkyds, oils, lacquers, urethanes, varnishes, acoustical, epoxies, spirits, elastomerics, water-borne coatings and fire retardants).

Tools and Equipment: Common tools, safety equipment, mixing containers, paint agitators, power drills, wet and dry micron gauges, spray painting equipment.

Sub-task

8.01 Mixes materials.

Supporting Knowledge & Abilities

NF	NS	PE	NB	QC	ON	MB	SK	AB	BC	NT	YK
yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes

8.01.01	knowledge of material viscosity and its effect on the application process (brush, roll, spray, etc.)
8.01.02	knowledge of temperature's effect on viscosity
8.01.03	knowledge of solvent's effect on coating viscosity
8.01.04	knowledge of thixotropic and rheology control agents
8.01.05	knowledge of agitation
8.01.06	knowledge of plural components
8.01.07	ability to use and select agitator for mixing purposes
8.01.08	ability to determine coating/solvent ratio to obtain workable viscosity
8.01.09	ability to mix plural component coating

Sub-task

8.02 Brushes on paint and coating.

Supporting Knowledge & Abilities

NF	NS	PE	NB	QC	ON	MB	SK	AB	BC	NT	YK
yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes

8.02.01	knowledge of brushes designed for coating material
8.02.02	knowledge of brushes designed for surfaces
8.02.03	knowledge of flowing and leveling capacity of coating

Supporting Knowledge & Abilities

8.02.04	knowledge of brush conditioning
8.02.05	ability to select brush for surfaces being covered
8.02.06	ability to select brush for coating being applied
8.02.07	ability to apply coating with a brush
8.02.08	ability to cut in cleanly
8.02.09	ability to feather out coating
8.02.10	ability to correct brushing defects

Sub-task

8.03 Rolls on paint and coating.

Supporting Knowledge & Abilities

NF	NS	PE	NB	QC	ON	MB	SK	AB	BC	NT	YK
yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes

8.03.01	knowledge of coating materials for which rollers are designed
8.03.02	knowledge of surfaces for which rollers are designed
8.03.03	knowledge of correct application using a roller
8.03.04	knowledge of usage of special rollers
8.03.05	ability to apply uniform coating
8.03.06	ability to select nap size and composition of roller sleeve for task being performed
8.03.07	ability to condition rollers

Sub-task

8.04 Sprays on paint and coating. **Supporting Knowledge & Abilities**

NF	NS	PE	NB	QC	ON	MB	SK	AB	BC	NT	YK
yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes

8.04.01	knowledge of types of spray systems
8.04.02	knowledge of spray applications
8.04.03	knowledge of spray techniques
8.04.04	knowledge of safe handling procedures
8.04.05	knowledge of maintenance and repair of spray equipment
8.04.06	ability to apply safe work practices (spray and air equipment)
8.04.07	ability to select tip size to achieve desired spray pattern
8.04.08	ability to apply specified coatings with various spray systems
8.04.09	ability to recognize and correct defective spray patterns
8.04.10	ability to maintain spray systems

BLOCK D

WALL COVERINGS

Trends: *No apparent changes.*

Task 9 **Selects wall covering materials and application methods.**

Related Components: Paper-backed vinyls, cloth-backed vinyls, hand/block prints, flocks, embossed, pulps, weaves, fabrics, foils, cork, micas, strands, wall carpets, murals, coatings, mica-coated, liners, lining paper, veneer, cereal/wheat pastes, cellulose pastes, vinyl adhesives, contact cement, sizes.

Tools and Equipment: Common tools.

Sub-task

9.01 **Identifies types of wall covering.**

Supporting Knowledge & Abilities

NF	NS	PE	NB	QC	ON	MB	SK	AB	BC	NT	YK
yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes

9.01.01	knowledge of wall coverings
9.01.02	knowledge of the characteristics of wall coverings
9.01.03	knowledge of wall covering terminology
9.01.04	knowledge of work process/time frame
9.01.05	ability to check batch and pattern numbers
9.01.06	ability to check for dimensions
9.01.07	ability to recognize manufacturing defects (delaminating, edging, misprints, soiling and damaging)

Supporting Knowledge & Abilities

9.01.08 ability to determine methods of trimming prior to hanging

9.01.09 ability to measure and perform basic calculations

Sub-task

9.02 Selects adhesives.

Supporting Knowledge & Abilities

NF	NS	PE	NB	QC	ON	MB	SK	AB	BC	NT	YK
yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes

9.02.01 knowledge of adhesives (clay-based, cellulose-based, water-based, contact cement, etc.)

9.02.02 knowledge of spreading capacity of adhesives

9.02.03 ability to select the appropriate adhesives for specific types of wall coverings

9.02.04 ability to follow manufacturers' specifications

Sub-task

9.03 Determines application methods.

Supporting Knowledge & Abilities

NF	NS	PE	NB	QC	ON	MB	SK	AB	BC	NT	YK
yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes

9.03.01 knowledge of trimming and cutting of wall coverings

9.03.02 knowledge of methods for pre-soaking, folding, booking and storing prior to hanging

9.03.03 knowledge of "edge-to-edge" shading and reversing alternate lengths when required

9.03.04 knowledge of pre-trimming and butting, overlapping and trimming when double cut is required

Supporting Knowledge & Abilities

9.03.05 ability to recognize need for lining paper

9.03.06 ability to recognize difference in application methods used when installing various types of wall coverings

9.03.07 ability to recognize common hanging faults (bad cutting, bad matches, patterns running out, lapping and gapping joints through expansion and contraction, blisters, tears, paste smears, paste on adjacent wall surfaces, crushing of embossed and polished joints)

Sub-task

9.04 Verifies quantities.

Supporting Knowledge & Abilities

NF	NS	PE	NB	QC	ON	MB	SK	AB	BC	NT	YK
yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes

9.04.01 knowledge of work process and base materials

9.04.02 knowledge of working from two rolls when large pattern match is evident to avoid wastage

9.04.03 knowledge of calculating surface area to ensure sufficient material to complete project

9.04.04 ability to estimate quantities for surface of given dimensions

9.04.05 ability to calculate and measure setting out techniques to ensure sufficient materials are on site

Sub-task

9.05 Determines application of adhesives.

Supporting Knowledge & Abilities

NF	NS	PE	NB	QC	ON	MB	SK	AB	BC	NT	YK
yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes

Supporting Knowledge & Abilities

9.05.01	knowledge of materials and processes to be used
9.05.02	knowledge of adhesion strength required for different weights of wall coverings
9.05.03	ability to identify various methods of adhesive application and pasting procedures
9.05.04	ability to recognize composition of wall covering to be installed
9.05.05	ability to recognize the characteristics of finish side and laminate backing
9.05.06	ability to recognize substrate composition and select surface treatment(s) for adhesive being used

Task 10 **Applies wall coverings.**

Related Components: Solid vinyls, vinyl coatings, pulps, mica-coated, weaves, embossed, liners, fabrics, strands, murals, foils, veneer. Cereal/wheat pastes, cellulose pastes, vinyl adhesives, contact cement, sizes.

Tools and Equipment: Common tools, safety equipment, access equipment, calculator, chalk line, plumb bob, seam roller, straight edge, pails, vinyl table, trimming wheel, water trough/dams, smoothing brush, paste brush, sponge.

Sub-task

10.01 Applies adhesives.

Supporting Knowledge & Abilities

NF	NS	PE	NB	QC	ON	MB	SK	AB	BC	NT	YK
yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes

10.01.01	knowledge of types of application (brush, roller or pasting machine)
10.01.02	knowledge of temperatures required (air movement)

Supporting Knowledge & Abilities

10.01.03	knowledge of wall covering to be applied
10.01.04	knowledge of types of adhesives
10.01.05	ability to select adhesive for specific wall covering
10.01.06	ability to determine amount of adhesive to be applied

Sub-task

10.02 Installs wall coverings.

Supporting Knowledge & Abilities

NF	NS	PE	NB	QC	ON	MB	SK	AB	BC	NT	YK
yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes

10.02.01	knowledge of techniques used in installation of wall coverings in general use
10.02.02	knowledge of environmental conditions and their effect on wall covering material
10.02.03	knowledge of correct starting and finishing points
10.02.04	knowledge of straight, ½ drop, random patterns and why plain materials require reversal every alternate length
10.02.05	knowledge of tools, materials and process
10.02.06	ability to protect wall covering material from temperature and humidity extremes
10.02.07	ability to apply wall covering
10.02.08	ability to lift, carry, stretch and smooth wall coverings

BLOCK E

WOOD FINISHING

Trends: *Moving away from volatile organic compounds to water-borne coatings.*

Task 11 **Selects wood finishes and application methods.**

Related Components: None.

Tools and Equipment: Common tools, safety equipment, moisture meter, access equipment.

Sub-task

11.01 Identifies types of wood. **Supporting Knowledge & Abilities**

NF	NS	PE	NB	QC	ON	MB	SK	AB	BC	NT	YK
yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes

11.01.01 knowledge of various wood types

11.01.02 ability to recognize open and closed grain

11.01.03 ability to recognize soft and hard woods

Sub-task

11.02 Assesses condition of wood. **Supporting Knowledge & Abilities**

NF	NS	PE	NB	QC	ON	MB	SK	AB	BC	NT	YK
yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes

11.02.01 knowledge of the condition of existing wood

11.02.02 knowledge of appearance of wood at various stages of exposure

11.02.03 knowledge of appropriate moisture levels for types of woods

Supporting Knowledge & Abilities

11.02.04	ability to recognize rot
11.02.05	ability to determine moisture content
11.02.06	ability to recognize existing coating
11.02.07	ability to recognize the degree of deterioration of coating and wood surface

Sub-task

11.03 Identifies types of finishes.

Supporting Knowledge & Abilities

NF	NS	PE	NB	QC	ON	MB	SK	AB	BC	NT	YK
yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes

11.03.01	knowledge of finishes (paint, solvent, water-borne, wax, oil, urethane, laquer, stain, varnish, shellac, sealer and epoxy)
11.03.02	ability to select appropriate material (primary and final coat)

Sub-task

11.04 Selects treatment and technique.

Supporting Knowledge & Abilities

NF	NS	PE	NB	QC	ON	MB	SK	AB	BC	NT	YK
yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes

11.04.01	knowledge of wood finishes
11.04.02	knowledge of application technique
11.04.03	knowledge of manufacturers' specifications
11.04.04	knowledge of work site
11.04.05	ability to select and use appropriate tools and materials

Supporting Knowledge & Abilities

11.04.06	ability to interpret manufacturers' specifications
11.04.07	ability to select sanding techniques and sequences
11.04.08	ability to select proper treatments
11.04.09	ability to select best application methods in relation to specific and environmental conditions (temperature, humidity, air movement, etc.)

Sub-task

11.05 Selects wood finishing materials.

Supporting Knowledge & Abilities

NF	NS	PE	NB	QC	ON	MB	SK	AB	BC	NT	YK
yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes

11.05.01	knowledge of protective qualities of the finish
11.05.02	knowledge of manufacturers' specifications
11.05.03	ability to select appropriate materials
11.05.04	ability to implement manufacturers' specifications

Task 12 Prepares wood for finishing.

Related Components: Paints, bleaches, fillers, stains, conditioners, fire retardants.

Tools and Equipment: Common tools, safety equipment, non-combustible containers.

Sub-task

12.01 Bleaches wood.

Supporting Knowledge & Abilities

NF	NS	PE	NB	QC	ON	MB	SK	AB	BC	NT	YK
yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes

Supporting Knowledge & Abilities

12.01.01	knowledge of possible hazards
12.01.02	knowledge of types of bleaches
12.01.03	ability to handle caustic liquids
12.01.04	ability to evenly wipe surfaces

Sub-task

12.02 Applies wood fillers.

NF	NS	PE	NB	QC	ON	MB	SK	AB	BC	NT	YK
yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes

Supporting Knowledge & Abilities

12.02.01	knowledge of process and techniques
12.02.02	knowledge of wood fillers
12.02.03	ability to select appropriate tools and techniques
12.02.04	ability to follow manufacturers' specifications
12.02.05	ability to select and tint appropriate filler colour

Sub-task

12.03 Applies stain.

NF	NS	PE	NB	QC	ON	MB	SK	AB	BC	NT	YK
yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes

Supporting Knowledge & Abilities

12.03.01	knowledge of stain, staining technique and sequence
12.03.02	knowledge of work site conditions
12.03.03	knowledge of possible hazards
12.03.04	ability to apply manufacturers' specifications
12.03.05	ability to apply staining techniques

Task 13 **Applies wood finishes.**

Related Components: Waxes, oils, lacquers, stains, varnishes, water-borne coatings, urethanes, shellacs, solvent-borne coatings.

Tools and Equipment: Common tools, safety equipment, access equipment, non-combustible containers, spray equipment.

Sub-task

13.01 Wipes on wood finishing materials.

Supporting Knowledge & Abilities

NF	NS	PE	NB	QC	ON	MB	SK	AB	BC	NT	YK
yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes

13.01.01 knowledge of application techniques

13.01.02 knowledge of possible hazards

13.01.03 ability to select appropriate tools

13.01.04 ability to safely dispose of combustible rags and applicators

13.01.05 ability to select appropriate techniques and materials

13.01.06 ability to interpret manufacturers' specifications

13.01.07 ability to select abrasives and/or buffing compound

Sub-task

13.02 Brushes on wood finishing materials.

Supporting Knowledge & Abilities

NF	NS	PE	NB	QC	ON	MB	SK	AB	BC	NT	YK
yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes

13.02.01 knowledge of application techniques

13.02.02 knowledge of possible hazards

Supporting Knowledge & Abilities

13.02.03	ability to select appropriate tools
13.02.04	ability to interpret manufacturers' specifications
13.02.05	ability to select appropriate technique and materials
13.02.06	ability to select abrasives and/or buffing compound

Sub-task

13.03 Sprays on wood finishing materials.

Supporting Knowledge & Abilities

NF	NS	PE	NB	QC	ON	MB	SK	AB	BC	NT	YK
yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes

13.03.01	knowledge of application techniques
13.03.02	knowledge of spray systems/techniques
13.03.03	knowledge of possible hazards
13.03.04	ability to select appropriate spray system
13.03.05	ability to interpret manufacturers' specifications
13.03.06	ability to select appropriate techniques and materials
13.03.07	ability to select abrasives and/or buffing compound

BLOCK F

SPECIALITY FINISHES

Trends: *An increase in the use of all speciality finishes.*

Task 14 **Assesses speciality finishes.**

Related Components: None.

Tools and Equipment: Common tools, safety equipment, access equipment.

Sub-task

14.01 Identifies speciality finishes. **Supporting Knowledge & Abilities**

NF	NS	PE	NB	QC	ON	MB	SK	AB	BC	NT	YK
yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes

14.01.01 knowledge of decorative treatments and effect created through both specific and random pattern and design

14.01.02 knowledge of colour, depth, structure and texture of materials

14.01.03 ability to produce details in colour and obtain desired effects using a variety of techniques to match given samples

14.01.04 ability to provide samples for approval before commencement of work

14.01.05 ability to apply faux and other decorative treatments and effects

Sub-task

14.02 Determines procedures required. **Supporting Knowledge & Abilities**

NF	NS	PE	NB	QC	ON	MB	SK	AB	BC	NT	YK
yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes

Supporting Knowledge & Abilities

14.02.01 knowledge of specific and non-specific finishes and effects

14.02.02 ability to create specific and non-specific finishes and effects

14.02.03 ability to use materials and techniques to produce decorative effects from drawings, specifications and examples

Sub-task

14.03 Selects materials.

Supporting Knowledge & Abilities

NF	NS	PE	NB	QC	ON	MB	SK	AB	BC	NT	YK
yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes

14.03.01 knowledge of oil and water material in opaque, transparent and semi-transparent forms

14.03.02 knowledge of components required to create or provide the correct material for the desired effect

14.03.03 ability to select the correct material and components to produce the decorative effect required

Task 15 Applies speciality finishes.

Related Components: Glazes, paint, varnishes, tints, water-borne coatings, raw linseed oil, Japan drier, gilding size, metal leaf, adhesive labels, texturing products, gelatin, isinglass, etc.

Tools and Equipment: Common tools, safety equipment, access equipment, spray equipment, stipple brush, floggers, draggers, combs, badgers, mottlers, cutters, overgrainers, fitch, goose feathers, texture machine, chalk line, square, gilder's tip, lining brushes, artistic brushes, stencil tools, thumb tacks, paper, architectural and random stencils.

Sub-task

15.01 Applies faux finishes.

Supporting Knowledge & Abilities

NF	NS	PE	NB	QC	ON	MB	SK	AB	BC	NT	YK
yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	no	yes

15.01.01 knowledge of natural and unnatural structure and pattern and the technique used to produce the desired effects (woodgraining, marbling, stippling, rag rolling, combing, etc.)

15.01.02 knowledge of drying and set-up times of medium used

15.01.03 knowledge of tints and stainers, their translucency, staining power and colour

15.01.04 ability to produce a desired effect by applying a glaze over a selected ground colour

15.01.05 ability to produce the illusion of structure, depth and texture by techniques of agitating a wet semi-transparent glaze to achieve the desired effect through broken colour

Sub-task

15.02 Applies texture finishes.

Supporting Knowledge & Abilities

NF	NS	PE	NB	QC	ON	MB	SK	AB	BC	NT	YK
yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes

15.02.01 knowledge of mixing texture coatings to produce varying degrees of stipple, both random and pattern

15.02.02 ability to use tools and equipment in application of fine to heavy stipple

15.02.03 ability to mix material to achieve specified texture and grade

Sub-task

15.03 Applies multi-spec coatings.

Supporting Knowledge & Abilities

NF	NS	PE	NB	QC	ON	MB	SK	AB	BC	NT	YK
yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes

15.03.01	knowledge of product
15.03.02	ability to apply product by use of spray equipment

Sub-task

15.04 Applies gilded finishes.

Supporting Knowledge & Abilities

NF	NS	PE	NB	QC	ON	MB	SK	AB	BC	NT	YK
yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	no	yes

15.04.01	knowledge of gilding process, with comprehension of correct gilding size, with respect to wood, metal, plaster and glass
15.04.02	knowledge of the methods of producing size solutions, tools and types of leaf
15.04.03	ability to apply metallic leaf (rolled or hammered gold, silver leaf [palladium] and aluminum leaf, etc.)
15.04.04	ability to prepare and apply appropriate solutions for sizing, using variations of mix to suit

Sub-task

15.05 Applies stencils and graphics.

Supporting Knowledge & Abilities

NF	NS	PE	NB	QC	ON	MB	SK	AB	BC	NT	YK
yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	no	yes

15.05.01	knowledge of layout and design through geometric calculations of designing and cutting of plates in both contemporary and heritage schemes

Supporting Knowledge & Abilities

15.05.02	ability to apply stencil and graphic effects using tapes, templates and geometric principles to achieve desired result

APPENDICES

TOOLS AND EQUIPMENT

Painter and decorators generally supply their own hand tools, boots, coveralls and gloves. Safety items such as hard hats, eye, ear, and lung protection, and most tools, especially the more expensive tools and equipment, are usually the responsibility of the employer.

Brushes and rollers, as well as some of the power tools and equipment listed below, are usually made available on the work site. Resource materials, such as manufacturers' specifications and manuals, log books, blueprints and engineers' specifications are usually supplied by the employer and made available to the painter and decorator on the work site.

Common Tools

adjustable wrenches (various sizes)
apron
broad knife
brush and roller spinner
brush extender
brushes (various types of natural and synthetic bristle brushes)
can hook
caulking gun
chalk line
chamois leather
cheesecloth
cutters
drop sheets
dust brush
dust pan
dusters
extension poles
files
filling knives
hammers
hawk
masking tape
measuring tape
mop
nail punch
nut drivers
pails
paint pads
paint strainers
pencils
pliers
plumb bob
putty knife
rags
razor blade
roller cage
roller grids
rollers
sanders (pole, hand)
sanding block
sandpaper
scrapers
screwdrivers
sea sponges
shears
shovel
sled knives
spirit level
sponges
squeegee
steel wool
stir sticks/agitators
straight edge
tack cloth
tarps/containments
trays
trowels
utility knife
wire brush
wrench sets

Safety Equipment

coveralls
ear plugs and muffs
exhaust fan
eye wash facilities
face shields
fall arresters
fire blankets
fire extinguishers
fire hoses
first aid equipment
floatation device
fresh air hood
full body harness
fume and toxic gas detector
gloves
goggles
hard hat
latex gloves
life line
masks (particle, vapour)
respirators
rope grabs
safety belt
safety glasses
safety vest
signage
steel toe boots
warning tapes
water booms

Access Equipment

aluminum planks
boatswain's chair
ladders
ladder jacks
mechanical scaffolds
rolling scaffolds
sawhorses
stationary scaffolds
stilts
swing stage

Measuring Equipment

air monitoring equipment
architectural rule
calculator
holiday detector
humidity meter
moisture meter
sling psychrometer
thermometers
viscosity cup
wet and dry micron gauges

Power Tools and Equipment

abrasive blasting equipment
compressors
electric cords
fans
grinders
heat gun
hydroblast equipment
paint agitators
power blasting equipment
power drills
power needle guns
power sanders
roto-peen
spray painting equipment
vacuum cleaner

Special Equipment

air conditioners
air hoods
air hoses
air packs
air purifiers
artistic brushes
assorted fitch brushes
badger blender
check roller
dragger
fan brushes
gilder's tip
goose feathers
graining-combs
lining fitch
mall stick
mottler
notched spreader
paste table
piped overgrainer
pounce wheels
profile gauge
projectors
rocker grainer
seam roller
smoothing brush
steam stripper
stencil brush
stencil knife
stencils
stipplers
strainer
sword stripers
texture spray machine
trimming wheels
vinyl table
water booms
water trough/dams
zinc strip

Resource Materials

architectural drawings, specifications
Architectural Painting Specification Manual (CPCA/OPCA)
blueprints
colour charts
colour wheels
logs
manuals
Master Painter Institute specifications (MPI)
sample book
specifications 1 to 12 (SSPC, 1-12)
Steel Structures Painting Council
written informational or instructional materials

BLOCKS AND TASKS WEIGHTING

BLOCK A OCCUPATIONAL SKILLS

	NF	NS	PE	NB	QC	ON	MB	SK	AB	BC	NT	YK	National Average
%	23	23	10	8	10	20	23	20	15	15	20	35	19%

Task 1 Interprets occupation documentation.

	NF	NS	PE	NB	QC	ON	MB	SK	AB	BC	NT	YK	
%	33	20	60	20	50	33	35	30	35	10	40	20	32%

Task 2 Uses and maintains equipment and tools.

	NF	NS	PE	NB	QC	ON	MB	SK	AB	BC	NT	YK	
%	40	43	20	50	30	47	30	35	35	85	45	35	41%

Task 3 Assesses projects.

	NF	NS	PE	NB	QC	ON	MB	SK	AB	BC	NT	YK	
%	27	37	20	30	20	20	35	35	30	5	15	45	27%

BLOCK B SURFACE PREPARATION

	NF	NS	PE	NB	QC	ON	MB	SK	AB	BC	NT	YK	National Average
%	27	13	35	25	40	23	25	25	27	30	10	15	25%

Task 4 Assesses quality of surface.

	NF	NS	PE	NB	QC	ON	MB	SK	AB	BC	NT	YK	
%	23	27	25	27	40	35	45	40	30	15	40	35	32%

Task 5 Finishes drywalls.

	NF	NS	PE	NB	QC	ON	MB	SK	AB	BC	NT	YK	
%	37	30	25	7	30	38	10	20	0	0	0	20	18%

Task 6 Treats surfaces.

	NF	NS	PE	NB	QC	ON	MB	SK	AB	BC	NT	YK	
%	40	43	50	66	30	27	45	40	70	85	60	45	50%

BLOCK C PAINTS AND COATINGS

	NF	NS	PE	NB	QC	ON	MB	SK	AB	BC	NT	YK	National Average
%	27	25	20	25	20	20	20	25	40	25	20	25	24%

Task 7 Selects finishing materials and methods.

	NF	NS	PE	NB	QC	ON	MB	SK	AB	BC	NT	YK	
%	45	57	60	43	30	42	30	50	25	10	30	40	39%

Task 8 Applies paints.

	NF	NS	PE	NB	QC	ON	MB	SK	AB	BC	NT	YK	
%	55	43	40	57	70	58	70	50	75	90	70	60	61%

BLOCK D WALL COVERINGS

	NF	NS	PE	NB	QC	ON	MB	SK	AB	BC	NT	YK	National Average
%	10	18	15	17	10	12	12	10	10	10	10	10	12%

Task 9 Selects wall covering materials and application methods.

	NF	NS	PE	NB	QC	ON	MB	SK	AB	BC	NT	YK	
%	40	40	50	40	30	42	55	40	10	10	30	60	37%

Task 10 Applies wall coverings.

	NF	NS	PE	NB	QC	ON	MB	SK	AB	BC	NT	YK	
%	60	60	50	60	70	58	45	60	90	90	70	40	63%

BLOCK E **WOOD FINISHING**

	NF	NS	PE	NB	QC	ON	MB	SK	AB	BC	NT	YK	National Average
%	8	13	10	18	10	13	15	10	5	15	20	10	12%

Task 11 Selects wood finishes and application methods.

	NF	NS	PE	NB	QC	ON	MB	SK	AB	BC	NT	YK	
%	30	43	40	35	25	32	40	60	10	40	30	45	36%

Task 12 Prepares wood for finishing.

	NF	NS	PE	NB	QC	ON	MB	SK	AB	BC	NT	YK	
%	40	20	40	43	45	35	30	15	40	5	50	30	33%

Task 13 Applies wood finishes.

	NF	NS	PE	NB	QC	ON	MB	SK	AB	BC	NT	YK	
%	30	37	20	22	30	33	30	25	50	55	20	25	31%

BLOCK F **SPECIALITY FINISHES**

	NF	NS	PE	NB	QC	ON	MB	SK	AB	BC	NT	YK	National Average
%	5	8	10	7	10	12	5	10	3	5	20	5	8%

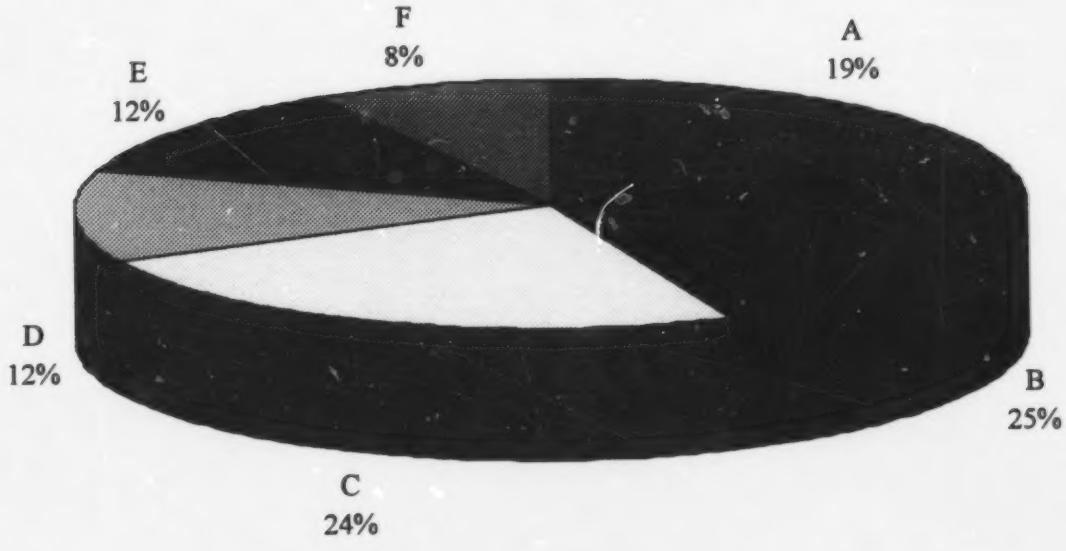
Task 14 Assesses speciality finishes.

	NF	NS	PE	NB	QC	ON	MB	SK	AB	BC	NT	YK	
%	45	35	50	45	40	35	50	60	20	50	40	50	43%

Task 15 Applies speciality finishes.

	NF	NS	PE	NB	QC	ON	MB	SK	AB	BC	NT	YK	
%	55	65	50	55	60	65	50	40	80	50	60	50	57%

PIE CHART*
Painter and Decorator



TITLE OF BLOCKS

Block A Occupational Skills	Block D Wall Coverings
Block B Surface Preparation	Block E Wood Finishing
Block C Paints and Coatings	Block F Specialty Finishes

* The average percentage of the total number of questions on an interprovincial examination, assigned to assess each block of the analysis, as derived from the collective input form workers within the occupation from all areas of Canada. Interprovincial examinations typically have from one hundred up to one hundred and fifty multiple choice questions on each examination.

PAINTER AND DECORATOR (2000)

BLOCKS	TASKS	SUB-TASKS				
A Occupational Skills	1. Interprets occupation documentation.	1.01 Interprets blueprints and specifications.	1.02 Interprets material documentation.	1.03 Interprets codes and regulations.		
	2. Uses and maintains equipment and tools.	2.01 Uses hand tools.	2.02 Uses power tools.	2.03 Uses access equipment.	2.04 Maintains tools and equipment.	
	3. Assesses projects.	3.01 Protects surrounding surfaces.	3.02 Organizes work.	3.03 Mixes and matches colours.		
B Surface Preparation	4. Assesses quality of surface.	4.01 Assesses quality of substrate.	4.02 Assesses surface degradation.	4.03 Determines causes of surface failure.		
	5. Finishes drywalls.	5.01 Selects materials.	5.02 Applies filler.	5.03 Performs finish sanding.		
	6. Treats surfaces.	6.01 Applies chemical treatments.	6.02 Applies mechanical treatments.	6.03 Repairs surfaces.	6.04 Removes existing wall coverings.	6.05 Treats surfaces for wall coverings.
C Paints and Coatings	7. Selects finishing materials and methods.	7.01 Assesses product compatibility with existing coating.	7.02 Selects paint and coating.	7.03 Selects solvents.	7.04 Determines application methods.	
	8. Applies paints.	8.01 Mixes materials.	8.02 Brushes on paint and coating.	8.03 Rolls on paint and coating.	8.04 Sprays on paint and coating.	
D Wall Coverings	9. Selects wall covering materials and application methods.	9.01 Identifies types of wall covering.	9.02 Selects adhesives.	9.03 Determines application methods.	9.04 Verifies quantities.	9.05 Determines application of adhesives.
	10. Applies wall coverings.	10.01 Applies adhesives.	10.02 Installs wall coverings.			

PAINTER AND DECORATOR (2000)

	BLOCKS	TASKS	SUB-TASKS				
E	**Wood Finishing**	**11.** Selects wood finishes and application methods.	11.01 Identifies types of wood.	11.02 Assesses condition of wood.	11.03 Identifies types of finishes.	11.04 Selects treatment and technique.	11.05 Selects wood finishing materials.
		12. Prepares wood for finishing.	12.01 Bleaches wood.	12.02 Applies wood fillers.	12.03 Applies stain.		
		13. Applies wood finishes.	13.01 Wipes on wood finishing materials.	13.02 Brushes on wood finishing materials.	13.03 Sprays on wood finishing materials.		
F	**Speciality Finishes**	**14.** Assesses speciality finishes.	14.01 Identifies speciality finishes.	14.02 Determines procedures required.	14.03 Selects materials.		
		15. Applies speciality finishes.	15.01 Applies faux finishes.	15.02 Applies texture finishes.	15.03 Applies multi-spec coatings.	15.04 Applies gilded finishes.	15.05 Applies stencils and graphics.